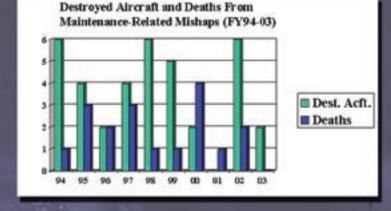
REDUCING MISHAPS BY 50%

Maintenance-Related Mishaps (FY94-03)



- \$873,009,104
- 18 Shipmates, Marines and friends dead.
- 37 aircraft destroyed and many more unavailable for extended periods, dramatically affecting readiness.



Which Communities Are at Risk?

- Fighter: 8 destroyed and 1 dead
- Attack: 19 destroyed and 8 dead
- Helos: 5 destroyed and 7 dead
- Trainers: 3 destroyed and 2 dead
- Other: 2 destroyed and 0 dead

When aircraft crash because of maintenance malpractice?

Sun-30, Mon-61, Tue-84, Wed-88, Thu-96, Fri-81, Sat-51

What are common causes (reason and number of events)?

- Supervision 270
 - ★ Failed to manage/supervise personnel/assets 96
 - **❖** Failed to demand adherence to technical doctrine − 77
 - ★ Inadequately inspected 59
- Production 360
 - * Failed to follow technical procedure 130
 - **※** Improperly installed 65
 - ★ Lost situational awareness 46

Top 10 List of Billets Found Culpable in Mishaps

0 Level	Top 10	Line	Top 10	Depet	Tup 10	Contractor	Top Tex
63	Most Off.	6	Perliate	13	Per Hute	4	Per Please
38	WC Starr	4	AF-Struct	9	AF-Deut	1	WCS
24	340 Supr	3	AFIRE	5	00	3	QAR
40	CDI	3	Ovikvance	4:	QA0	4	AF -Tire/Wheel
40	Aidmen	3	Med Africa	3	Peod Coat Off	1	Arrivara
40	Place Capt.	3	Prot Cost Off	2	Muss Off	1	Musi Off
31	Per Place	2	WCS	2	QAR	2	CDI
32	T3/Find Chr	2	CDI	2	wea	1.	ALIB/Drafe
32	Ordonore	1	QAR	2	Prop Steip	2	AF -Strict
10	OAR	1	America	2	Divor	1	AF - Hyd

The most consecutive mishap-free days in 10 years was 43 days. Working together, we can reduce mishaps 50 percent in the next two years! Every maintainer can make a difference, so be part of the solution not part of the problem.

How can we fix these problems?

- Ensure every job is supervised.
- Use the book every time and make sure every Sailor is taught to avoid shortcuts and to follow the step-by-step procedures in the maintenance manuals.
 - Do thorough in-process and final inspections.
- Make sure Sailors and Marines are rested and are focused on their duties.
 - Do self-assessments and ask for safety surveys.
- Use the information in this magazine, messages and other media to help maintainers work to reduce mishaps.

These charts show the relationship between injury classification and mishaps or incidents caused by maintainers and aviators. Remember, some incidents can involve a maintenance and aircrew causal factor (double reporting). Aircraft and events are included to show that some single events involve multiple aircraft and to correlate the number of events to injuries or deaths. Lost-work day (LWD) and first-aid injuries are included.

No Intent for Flight (Ground Incidents)

Jan. 01, 1980 to Sept. 30, 2003

No. of People		
Maint	Aircrew	
27	8	
1	0	
46	4	
499	27	
411	5	
41	16	
1025	60	
	Maint 27 1 46 499 411 41	

No. of events: Maint. 1602 Aircrew 225

No. of aircraft: Maint. 1689 Aircrew 271

Intent for Flight (Takeoff, In-Flight or Landing Incidents)

Jan. 01, 1980 to Sept. 30, 2003

The second secon	EE2 1-20		
Injury	No. of People		
Class	8		
	Maint	Aircrew	
A - Fatal	89	815	
B - Perm Total Disability	3	7	
C - Perm Partial Disability	10	53	
D –5 or Greater LWD	104	300	
E – 1-4 LWD	77	256	
F – First-Aid Injury	177	725	
Totals	460	2156	
	1	1	

No. of events: Maint. 950 Aircrew 2177

No. of aircraft: Maint. 978 Aircrew 2561

Maintainers are responsible for more ground incidents and their related injuries than those caused by aviators (no surprise). However, it is interesting to note the number of fatalities and lost-work day injuries linked to maintenance causal factors in the ground and in-flight categories. The number of first-aid injuries reported in the intent-for-flight category is significantly higher than ground, in part because a maintainer is unlikely to report a first-aid injury. Aviators are more likely to report these types of injuries because it is part of the hazrep culture to do so. It is important for maintainers to see the range and severity of injuries caused from maintenance error. We must do better to prevent mishaps and incidents.

Photograph by PH2 Marjorie McNamee